



ELSEVIER

Animal Reproduction Science 38 (1995) 345-347

ANIMAL
REPRODUCTION
SCIENCE

Contents of *Animal Reproduction Science*, Volume 38

VOL. 38 NOS. 1,2

MARCH 1995

Frozen storage of ram semen II. Causes of low fertility after cervical insemination and methods of improvement	1
S. Salamon and W.M.C. Maxwell (Sydney, N.S.W., Australia)	
Influence of cumulus cells on in vitro fertilization of bovine oocytes derived from in vitro maturation	37
R.C. Chian (Laval, Québec, Canada), K. Okuda and K. Niwa (Okayama, Japan)	
Follicular development in long-term anoestrous suckler beef cows fed two levels of energy postpartum	49
K. Stagg, M.G. Diskin (Tuam, Co. Galway, Ireland), J.M. Sreenan and J.F. Roche (Dublin, Ireland)	
Effect of immunization against synthetic peptide sequences of bovine inhibin α -subunit on gonadotrophin concentrations in heifers	63
D.G. Morris, M. Grealy and J.M. Sreenan (Tuam, Co. Galway, Ireland)	
Comparison of birth weight and growth characteristics of bovine calves produced by nuclear transfer (cloning), embryo transfer and natural mating	73
J.M. Wilson (Marquez, TX, USA), J.D. Williams (College Station, TX, USA), K.R. Bondioli, C.R. Looney, M.E. Westhusin and D.F. McCalla (Marquez, TX, USA)	
Higher rates of development into blastocyst following the in vitro fertilization of bovine oocytes matured in a medium supplemented with the fluid from large bovine follicles	85
A.M.A. Elmileik, T. Maeda and T. Terada (Higashi-Hiroshima, Japan)	
The effect of ruminal starch degradability in the diet of Booroola crossbred ewes on induced ovulation rate and prolificacy	97
S. Landau (Tel Aviv, Israel), A. Bor (Bet Dagan, Israel), H. Leibovich (Tel Aviv, Israel), Z. Zoref, Z. Nitsan (Bet Dagan, Israel) and Z. Madar (Rehovot, Israel)	
Dose-response relationships of exogenous progesterone shortly after ovulation on estrous cycle length, blastocyst development and fertility in sheep	109
W.F. Pope, H. Cárdenas, T.M. Wiley and K.E. McClure (Columbus, OH, USA)	
Partitioning of glucose carbon in post-compaction ovine embryos	119
J.G. Thompson, A.C.S. Bell and H.R. Tervit (Hamilton, New Zealand)	
Effects of melatonin implantation or artificial long days on seasonal ovulatory activity in roe deer (<i>Capreolus capreolus</i> L.)	127
A.J. Sempéré, C. Blanvillain, R. Mauget, A. Lacroix (Villiers en Bois, France) and P. Chemineau (Nouzilly, France)	
Superovulation of farmed red deer (<i>Cervus elaphus</i>) and fallow deer (<i>Dama dama</i>): Incidence of ovulation and changes in plasma hormone concentrations during the pre-ovulatory period in relation to ova recovery and fertilisation	

G.W. Asher, H.N. Jabbour, J.G. Thompson, H.R. Tervit and C.J. Morrow (Hamilton, New Zealand)	137
Expression of glycine cleavage system and effect of glycine on in vitro maturation, fertilization and early embryonic development in pigs P. Xia, J. Rutledge and D.T. Armstrong (London, Ont., Canada)	155
Spectrophotometric measurement of aspartate aminotransferase activity in mammalian and fish semen A. Ciereszko and K. Dabrowski (Columbus, OH, USA)	167
Announcement from the Publisher	177

VOL. 38 NO. 3**APRIL 1995**

Birth of calves after direct transfer of thawed bovine embryos stored frozen in ethylene glycol O. Duchi, K. Imai and H. Takakura (Fukushima, Japan)	179
Ultrasound-monitored ovarian responses in normal and superovulated cattle given exogenous progesterone at different stages of the oestrous cycle G.J. Sawyer (Bunbury, W.A., Australia), P.J. Broadbent and D.F. Dolman (Aberdeen, UK)	187
Factors in the resumption of ovarian activity and uterine involution in postpartum dairy cows A.E.-D. Zain, T. Nakao (Hokkaido, Japan), M.A. Raouf (Assiut, Egypt), M. Moriyoshi, K. Kawata and Y. Moritsu (Hokkaido, Japan)	203
In vitro fertilization of ova from cows experimentally infected with a non-cytopathic strain of bovine viral diarrhea virus A. Bielanski and C. Dubuc (Nepean, Ont., Canada)	215
Cyclic reproductive activity and efficiency of reproduction in Serrana goats R. Mascarenhas (Santarém, Portugal), A.S. Nunes (Amadora, Portugal) and J.R. Silva (Lisbon, Portugal)	223
Effect of hCG administration at the onset of oestrus on early embryo survival and development in Meishan gilts M.G. Hunter and H.M. Picton (Sutton Bonington, UK)	231
Comparison of PGF ₂ α-induced luteolysis in early pregnant and estrogen-treated 'pseudopregnant' gilts L.K. Christenson and S.P. Ford (Ames, Iowa, USA)	239
The effects of chronic environmental stress on parturition and on oxytocin and vasopressin secretion in the pig A.B. Lawrence (Edinburgh, UK), J.C. Petherick (Roslin, UK), K.A. McLean, L. Deans, J. Chirnside, A. Vaughan (Edinburgh, UK), C.L. Gilbert (Cambridge, UK), M.L. Forsling (London, UK) and J.A. Russell (Edinburgh, UK)	251

VOL. 38 NO. 4**MAY 1995**

Animal and temporal effects on ovarian follicular dynamics in Brahman heifers F.M. Rhodes, G. De'ath and K.W. Entwistle (Townsville, Qld., Australia)	265
Levels of bPSPB throughout single and twin pregnancies after AI or transfer of IVM/IVF cattle embryos M.I. Vasques, A.E.M. Horta, C.C. Marques (Santarém, Portugal), R.G. Sasser (Moscow, ID, USA) and P. Humblot (Maisons Alfort, France)	279
Active immunization of post-pubertal heifers against prostaglandin F _{2α} to suppress oestrous behaviour: effect of adjuvant and dose of immunogen	

E. Ronayne, W.J. Enright, J.F. Quirke (Dunsany, Ireland) and J.F. Roche (Dublin, Ireland)	291
Effects of active immunization of prepubertal heifers against prostaglandin F _{2α} on the onset of puberty and subsequent ovarian function E. Ronayne, W.J. Enright (Dunsany, Ireland), J.D. Savio and J.F. Roche (Dublin, Ireland)	305
Sex determination in the domestic pig by DNA amplification using the HMG-box sequence K. Sathasivam (Cambridge, UK), S. Kageyama, K. Chikuni (Shintoku, Japan) and E. Notarianni (Cambridge, UK)	321
Relationship of length of uterus in prepubertal pigs and number of corpora lutea and fetuses at 30 days of gestation M.C. Wu and P.J. Dziuk (Urbana, IL, USA)	327
Influence of the postpartum day on plasma estradiol-17β levels, sexual behaviour, and conception rate, in artificially inseminated lactating rabbits E. Ubillar and P.G. Rebollar (Madrid, Spain)	331